

ATTORNEY DOCKET NO.
067083.0301



PATENT APPLICATION
10/777,503

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Joseph A. Zupanick
Filing Date: February 11, 2004
Group Art Unit: 3672
Serial No.: 10/777,503
Title: THREE-DIMENSIONAL WELL SYSTEM FOR
ACCESSING SUBTERRANEAN ZONES

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

<p align="center">Certificate of Mailing</p> <p>Express Mail No. EV 324643351 US</p> <p>Date: April 12, 2004</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37.C.F.R. 1.10 on the date shown below, and addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.</p> <p>Name: <u>Willie Jiles</u> Willie Jiles</p>

INFORMATION DISCLOSURE STATEMENT

Under 37 C.F.R. §§ 1.56, .97, and .98, Applicant respectfully requests that the references listed in the attached PTO-1449 form be considered and cited in the examination of the Application. The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all other references are enclosed for the convenience of the Examiner.

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PATENT APPLICATION
10/777,503

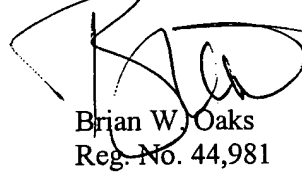
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REMARKS

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicant believes this Information Disclosure Statement has been filed before the mailing date of the first Official Action. Therefore, Applicant believes no fee is due. However, if a fee is required, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.
Attorneys for Applicant



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Page 1 of 4

PTO-1449		Application No. 10/777,503		Applicant(s) Joseph A. Zupanick				
Information Disclosure Citation in an Application		Docket Number 067083.0301		Group Art Unit 3672	Filing Date January 11, 2004			
U.S. PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	A	1,488,106	03/25/1924	Fitzpatrick	NA	NA	02/05/1923	
	B	4,333,539	06/08/1982	Lyon et al.	175	61	12/31/1979	
	C	5,226,495	07/13/1993	Jennings, Jr.	166	278	05/18/1992	
	D	5,411,088	05/02/1995	LeBlanc	166	265	08/06/1993	
	E	5,653,286	08/05/1997	McCoy	166	105.5	05/12/1995	
	F	5,775,433	07/07/1998	Hammett et al.	166	98	04/03/1996	
	G	6,179,054	01/30/2001	Stewart	166	105.5	07/31/1998	
	H	6,357,530	03/19/2002	Kennedy et al.	166	369	09/27/1999	
	I	6,662,870	12/16/2003	Zupanick	166	245	01/03/2001	
	J	6,668,918	12/30/2003	Zupanick	166	50	06/07/2002	
	K	6,888,855	02/10/2004	Zupanick	166	50	10/19/2001	
	L	6,708,764	03/23/2004	Zupanick	166	313	06/12/2002	
	M	2001/0015574	08/23/2001	Zupanick	299	12	02/20/2001	
	N	2002/0148647	10/17/2002	Zupanick	175	52	02/20/2001	
	O	2001/0010432	08/02/2001	Zupanick	299	12	02/20/2001	
	P	2002/0134546	11/01/2001	Zupanick	175	161	02/20/2001	
	Q	2002/0155003	10/24/2002	Zupanick	417	53	04/24/2001	
	R	2002/0148605	10/17/2002	Zupanick	166	50	06/07/2002	
	S	2002/0148613	10/17/2002	Zupanick	166	313	06/07/2002	
	T	2003/0217842	11/27/2003	Zupanick	166	50	04/02/2003	
	U	2003/0075322	04/24/2003	Zupanick	166	245	10/19/2001	
	V	2004/0007389	01/15/2004	Zupanick	175	61	07/12/2002	
	W	2004/0007390	01/15/2004	Zupanick	175	61	07/12/2002	
	X	2003/0217842	11/27/2003	Zupanick	166	50	04/02/2003	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION	
							YES	NO
	Y	SU-1448078	03/25/1987	Russia	E21	F 5/00-F 7/00		X
	Z	SU-1770570	03/30/1990	Russia	E21	F 7/00		X
	AA	SU-750108	06/26/1975	Russia	E21	C 45/00		X
NON-PATENT DOCUMENTS								
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)						DATE	
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								

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PTO-1449				Application No. 10/777,503		Applicant(s) Joseph A. Zupanick			
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U.S. PATENT DOCUMENTS									
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FOREIGN PATENT DOCUMENTS									
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	
	A	WO 98/35133	08/13/1998	PCT	E21C	27/24	X		
	B	WO 01/44620	06/21/2001	PCT	E21B	43/38	X		
	C	WO 02/061238	08/08/2002	PCT	E21B	43/00	X		
	D	GB 2347157	08/30/20	UK	E21B	43/00	X		
	E	CA 2278735	08/13/1998	Canada	E21C	21/24	X		
	F	CH 653 741	01/15/1986	Germany Switzerland	E21B	43/24		X	
NON-PATENT DOCUMENTS									
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)						DATE	
	G	B. Götts et al., Performance of Openhole Completed and cased .., 10/17/2000						2000	
	H	R. Sharma et al., Modeling of Undulating Wellbore . . , 10/18-20, pp. 1-7						1993	
	I	E.F. Balbinski "Prediction of Offshore Viscous Oil Field Performance, August 18-20, 1999, pp. 1-10						1999	
	J	Examiner of Record, Office Action Response regarding the Interpretation of the three Russian Patent Applications listed above under Foreign Patent Documents (9 pages)						Date Unknown	
	K	Fletcher, "Anadarko Cuts Gas Route Under Canadian River Gorge," Oil and Gas Journal, pp. 28-30						January 25, 2004	
	L	Translation of selected pages of Kalinin, et al., "Drilling Inclined and Horizontal Well Bores," Nedra Publishers, Moscow, 1997, 15 pages						1997	
	M	Translation of selected pages of Arens, V.Zh., "Well-Drilling Recovery of Minerals," Geotechnology, Nedra Publishers, Moscow, 7 pages, 1986						1986	
	N	Jet Lavanway Exploration, "Well Survey," Key Energy Surveys, 3 pages						11/2/1997	
	O	Precision Drilling, "We Have Roots in Coal Bed Methane Drilling," Technology Services Group, 1 page						Published on or before 08/05/2002	
	P	Smith, Maurice, "Unconventional Wisdom", CBM Gas Technology, New Technology Magazine, 5 pages.						08/15/2003	
	Q	U.S. Dept. of Energy, "New Breed of CBM/CMM Recovery Technology", 1 page						July 2003	
	R	Dick Ghiselin, "Unconventional Vision Frees Gas Reserves", Natural Gas Quarterly, 2 pages						September 2003	
	S	CBM Review, World Coal, "US Drilling into Asia", 4 pages						June 2003	
	T	Chris Skrebowski, "US Interest in North Korean Reserves", Petroleum, Energy Institute, 4 pages						July 2003	
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	A	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 9, 2004 (6 pages) re International Application No. PCT/US 03/28138					09/09/2003
	B	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 27, 2004 (9 pages) re International Application No. PCT/US 03/30126					09/23/2003
	D	Zupanick, U.S. Patent Application, entitled "Slant Entry Well System and Method," SN 10/004,316					10/30/2001
	E	Zupanick, U.S. Patent Application, entitled "Method and System for Underground Treatment of Materials," SN 10/142,817					05/08/2002
	F	Rial, U.S. Patent Application, entitled "Method and System for Accessing a Subterranean Zone from a Limited Surface Area, SN 10/188,141					07/01/2002
	G	Zupanick, U.S. Patent Application, entitled "Undulating Well Bore", SN 10/194,366					07/12/2002
	H	Zupanick, U.S. Patent Application, entitled "Ramping Well Bores", SN 10/194,367					07/12/2002
	I	Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 10/194,368					07/12/2002
	J	Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 10/194,422 PUBLISHED					07/12/2002
	K	Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 10/406,037 Published					07/12/2002
	L	Zupanick, U.S. Patent Application, entitled "System and Method for Subterranean Access", SN 10/227,057					08/22/2002
	M	Zupanick, U.S. Patent Application, entitled "Method and System for Controlling Pressure in a Dual Well System", SN 10/244,082					09/12/2002
	N	Zupanick, U.S. Patent Application, entitled "Three-Dimensional Well System for Accessing Subterranean Zones," SN 10/244,083					09/12/2002
	O	Zupanick, U.S. Patent Application, entitled "Accelerated Production of Gas from a Subterranean Surface", SN 10/246,052					09/17/2002
	P	Zupanick, U.S. Patent Application, entitled "Method and System for Removing Fluid from a Subterranean Zone Using and Enlarged Cavity", SN 10/264,535					10/03/2002
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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
NON-PATENT DOCUMENTS						
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
A	Zupanick, U.S. Patent Application, entitled "Method of Drilling Lateral Wellbores from a Slant Well Without Utilizing a Whipstock", SN 10/267,426					10/08/2002
B	Zupanick, U.S. Patent Application, entitled "Method and System for Circulating Fluid in a Well System", SN 10/323,192					12/18/2002
C	Zupanick, U.S. Patent Application, entitled "Method and System for Controlling the Production Rate ...", SN 10/328,408					12/23/2002
D	Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 10/406,037					07/12/2002
E	Rial, U.S. Patent Application, entitled "Method and System for Recirculating Fluid in a Well System," SN 10/457,103					06/05/2003
F	Zupanick, U.S. Patent Application, entitled "Three-Dimensional Well System for Accessing Subterranean Deposits from the Surface and Tools Therefor," SN 10/630,345					07/29/2003
G	Zupanick, U.S. Patent Application, entitled "Method and System for Accessing Subterranean Deposits from the Surface," SN 10/641,856					08/15/2003
H	Zupanick, U.S. Patent Application, entitled "Method and System for Testing Partially Formed Hydrocarbon Well for Evaluation and Well Planning Refinement," SN 10/715,300					11/17/2003
I	Seams, U.S. Patent Application, entitled "Method and System for Extraction of Resources from a Subterranean Well Bore," SN 10/723,322					11/26/2003
J	Zupanick, U.S. Patent Application, entitled "Slant Entry Well System and Method," SN 10/749,884					12/31/2003
K	Zupanick, U.S. Patent Application, entitled "Method and System for Accessing a Subterranean Deposits from the Surface," SN 10/761,629					01/20/2004
L	Zupanick, U.S. Patent Application, entitled "Method and System for Testing Partially Formed Hydrocarbon Well for Evaluation and Well Planning Refinement," SN 10/769,221					01/30/2004
M	Pratt, U.S. Patent Application, entitled "Method and System for Lining Multilateral Wells," SN 10/772,841					02/04/2004
N						
O						
P						
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph A. Zupanick Art Unit : 3672
Serial No. : 10/777,503 Examiner : Jennifer Hawkins Gay
Filed : February 11, 2004
Title : THREE-DIMENSIONAL WELL SYSTEM FOR ACCESSING
SUBTERRANEAN ZONES

MAIL STOP RCE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

The present Application was filed after June 30, 2003. Therefore, under the July 11, 2003, waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office, copies of U.S. Patents and U.S. Patent Application Publications listed in the attached PTO-1449 form are not enclosed. Copies of all foreign art and non-patent literature are in electronic .pdf format on the enclosed CD-ROM for the convenience of the Examiner. Paper copies of any or all foreign art and non-patent literature are available upon request.

A copy of a communication from a foreign patent office in a related application is also enclosed.

This filing is being made with the filing of a Request for Continued Examination. A check for \$770.00 for the Request for Continued Examination fee is included. Please apply any other charges or credits to Deposit Account 06-1050.

Respectfully submitted,

Date: 9/29/04

Joshua A. Griswold
Joshua A. Griswold
Reg. No. 46,310

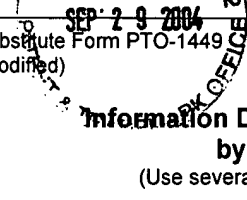
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September 29, 2004
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 Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-032002	Application No. 10/777,503
		Applicant Joseph A. Zupanick	
		Filing Date February 11, 2004	Group Art Unit 3672

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	3,385,382	05/28/1968	Canalizo, et al.			
	A2	4,020,901	05/03/1977	Pisio et al.			
	A3	4,030,310	06/21/1977	Schirtzinger			
	A4	4,136,996	01/30/1979	Burns			
	A5	4,151,880	05/01/1979	Vann			
	A6	4,182,423	01/08/1980	Ziebarth et al.			
	A7	4,226,475	10/07/1980	Frosch et al.			
	A8	4,422,505	12/27/1983	Collins			
	A9	4,463,988	08/07/1984	Bouck et al.			
	A10	4,536,035	08/20/1985	Huffman et al.			
	A11	4,603,592	08/05/1986	Siebold et al.			
	A12	4,651,836	03/24/1987	Richards			
	A13	4,776,638	10/11/1988	Hahn			
	A14	4,832,122	05/23/1989	Corey et al.			
	A15	5,148,877	09/22/1992	MacGregor			
	A16	5,287,926	02/22/1994	Gruppig			
	A17	5,355,967	10/18/1994	Mueller et al.			
	A18	5,431,482	07/11/1995	Russo			
	A19	5,775,443	07/07/1998	Lott			
	A20	6,019,173	02/01/2000	Saurer et al.			
	A21	6,030,048	02/29/2000	Hsu			
	A22	6,062,306	05/16/2000	Gano et al.			
	A23	6,065,551	05/23/2000	Gourley et al.			
	A24	6,119,776	09/19/2000	Graham et al.			
	A25	6,189,616	02/20/2001	Gano et al.			
	A26	6,244,340	06/12/2001	McGlothen et al.			
	A27	6,575,255	06/10/2003	Rial et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-032002	Application No. 10/777,503
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Joseph A. Zupanick	
		Filing Date February 11, 2004	Group Art Unit 3672

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A28	6,591,922	07/15/2003	Rial et al.			
	A29	6,595,301	07/22/2003	Diamond et al.			
	A30	6,595,302	07/22/2003	Diamond et al.			
	A31	6,644,422	11/11/2003	Rial et al.			
	A32	6,646,441	11/11/2003	Thompson et al.			
	A33	6,722,452	04/20/2004	Rial et al.			
	A34	6,758,279	07/06/2004	Moore et al.			
	A35	2003/0164253 A1	09/04/2003	Trueman et al.			
	A36	2003/0221836 A1	12/04/2003	Gardes			
	A37	2004/0011560 A1	01/22/2004	Rial et al.			
	A38	2004/0033557 A1	02/19/2004	Scott et al.			
	A39	2004/0060351 A1	04/01/2004	Gunter et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	AU 85/49964-A	11/20/1986	Australia			Abstract Only	
	B2	CA 2,210,866	01/19/1998	Canada			N/A	
	B3	DE 197 25 996 A1	01/02/1998	Germany			Abstract Only	
	B4	EP 0 819 834 A1	01/21/1998	EPO			Abstract Only	
	B5	FR 964,503	08/18/1950	France			Y	
	B6	GB 2 255 033 A	10/28/1992	United Kingdom			N/A	
	B7	WO 94/28280	12/08/1994	WIPO			N/A	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document

Examiner Signature	Date Considered
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		Filing Date February 11, 2004	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (7 pages) re International Application No. PCT/US 03/04771 mailed July 4, 2003
	C2	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (5 pages) re International Application No. PCT/US 03/21891 mailed November 13, 2003
	C3	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (4 pages) re International Application No. PCT/US 03/38383 mailed June 2, 2004
	C4	Kalinin, et al., Translation of Selected Pages from Ch. 4, Sections 4.2 (p. 135), 10.1 (p. 402), 10.4 (pp. 418-419), "Drilling Inclined and Horizontal Well Bores," Moscow, Nedra Publishers, 1997, 4 pages
	C5	Zupanick, "System And Method For Directional Drilling Utilizing Clutch Assembly," S/N 10/811,118, March 25, 2004 (35 pages)
	C6	Zupanick et al., "Slot Cavity," S/N 10/419,529, April 21, 2003 (44 pages)
	C7	Zupanick, "System and Method for Multiple Wells from a Common Surface Location," S/N 10/788,694, February 27, 2004 (26 pages)
	C8	Field, T.W., "Surface to In-seam Drilling – The Australian Experience," Undated, 10 pages
	C9	Drawings included in CBM well permit issued to CNX stamped April 15, 2004 by the West Virginia Department of Environmental Protection (5 pages)
	C10	Website of Mitchell Drilling Contractors, "Services: Dymaxion – Surface to In-seam," http://www.mitchelldrilling.com/dymaxion.htm , printed as of 06/17/2004, 4 pages
	C11	Website of CH4, "About Natural Gas – Technology," http://www.ch4.com.au/ng_technology.html , copyright 2003, printed as of 06/17/2004, 4 pages
	C12	Thomson, et al., "The Application of Medium Radius Directional Drilling for Coal Bed Methane Extraction," Lucas Technical Paper, copyrighted 2003, 11 pages
	C13	U.S. Department of Energy, DE-FC26-01NT41148, "Enhanced Coal Bed Methane Production and Sequestration of CO ₂ in Unmineable Coal Seams" for Consol, Inc., accepted October 1, 2001, 48 pages
	C14	U.S. Department of Energy, "Slant Hole Drilling," March 1999, 1 page
	C15	Desai, Praful, et al., "Innovative Design Allows Construction of Level 3 or Level 4 Junction Using the Same Platform," SPE/Petroleum Society of CIM/CHOA 78965, Canadian Heavy Oil Association, 2002, pp. 1-11
	C16	Bybee, Karen, "Advanced Openhole Multilaterals," Horizontal Wells, November 2002, pp. 41-42
	C17	Bybee, Karen, "A New Generation Multilateral System for the Troll Olje Field," Multilateral/Extended Reach, July 2002, 2 pages
	C18	Emerson, A.B., et al., "Moving Toward Simpler, Highly Functional Multilateral Completions," Technical Note, Journal of Canadian Petroleum Technology, May 2002, Volume 41, No. 5, pp. 9-12

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	C19	Moritis, Guntis, "Complex Well Geometries Boost Orinoco Heavy Oil Producing Rates," XP-000969491, Oil & Gas Journal, February 28, 2000, pp. 42-46
	C20	Themig, Dan, "Multilateral Thinking," New Technology Magazine, December 1999, pp. 24-25
	C21	Smith, R.C., et al., "The Lateral Tie-Back System: The Ability to Drill and Case Multiple Laterals," IADC/SPE 27436, Society of Petroleum Engineers, 1994, pp. 55-64, plus Multilateral Services Profile (1 page) and Multilateral Services Specifications (1 page)
	C22	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) (3 pages) and International Search Report (4 pages) re International Application No. PCT/US 03/13954 mailed September 1, 2003
	C23	Logan, Terry L., "Drilling Techniques for Coalbed Methane," Hydrocarbons From Coal, Chapter 12, Copyright 1993, Title Page, Copyright Page, pp. 269-285
	C24	Hanes, John, "Outbursts in Leichhardt Colliery: Lessons Learned," International Symposium-Cum-Workshop on Management and Control of High Gas Emissions and Outbursts in Underground Coal Mines," Wollongong, NSW, Australia, March 20-24, 1995, Title page, pp. 445-449
	C25	Williams, Ray, et al., "Gas Reservoir Properties for Mine Gas Emission Assessment," Bowen Basin Symposium 2000, pp. 325-333
	C26	Brown, K., et al., "New South Wales Coal Seam Methane Potential," Petroleum Bulletin 2, Department of Mineral Resources, Discovery 2000, March 1996, pp. i-viii, 1-96
	C27	Fipke, S., et al., "Economical Multilateral Well Technology for Canadian Heavy Oil," Petroleum Society, Canadian Institute of Mining, Metallurgy & Petroleum, Paper 2002-100, to be presented in Calgary Alberta, June 11-13, 2002, pages 1-11
	C28	PowerPoint Presentation entitled, "Horizontal Coalbed Methane Wells," by Bob Stayton, Computalog Drilling Services, date is believed to have been in 2002 (39 pages)
	C29	Denney, Dennis, "Drilling Maximum-Reservoir-Contact Wells in the Shaybah Field," SPE 85307, pages 60, 62-63, October 20, 2003

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	